ABSTRACT OF THE DISCLOSURE

When evaluating the execution plan of a job executed in a computer system by using simulation, the simulation is completed and the execution plan evaluation is completed within the time desired by a user. The evaluation system includes a performance storage section for storing a performance value of a computer executing the simulation, a model database for storing a performance model used for the simulation, and a model creation section for creating a performance model from the performance model stored in the model database for use in the simulation. The model creation section modifies the method for creating the model according to the limit time input by the user and the performance value of the computer stored in the performance storage section. By using the performance model created by the model creation section, the simulation is executed and the job execution plan is evaluated.